FIGURE 3 (continued)

30% NaOH @ 25°C

	Cum. Mg/dm^2 (approx.)	
	24 Hours	120 Hours
AD90	24.98	51.15
AD94	15.24	32.27
AD96	2.13	6.10
ADO96	11.59	14.61
AD99.5	8.23	12.20
TTZ	0.61	0.61
LTHA Sample	1.72	2.01

NOTE: Weight loss is mg/dm^2/day, rounded to nearest 0.01g.

Materials Corrosion Test:

	Weight loss in mg/cm^2/day	
	60% H_3PO_4 @ 60°C	30% NaOH @ 60°C
A479 Al_2O_3 (90%)	0.15	0.28
A479SS Al_2O_3 (99.5%)	0.07	0.12
$3Nal_2O_3$ (99.9%)	0.02	0.00
LTHA Sample	0.00	0.00

NOTE: Weight loss is mg/cm^2/day, rounded to nearest 0.01g.

High Alumina Corrosion Test:
Independent Test

CORROSIVE SOLUTION	HCl	HNO_3	H_2SO_4
MATERIAL	% WEIGHT LOSS		
Product of Manufacturer A:			
85% Al_2O_3	0.066	0.076	0.066
96% Al_2O_3	0.081	0.087	0.200
LTHA Sample	(No Detectable Loss)		
Product of Manufacturer B:			
99.5% Al_2O_3	0.217	0.163	0.216

PROCEDURES

1. Check the initial weight (approximately 5 grams)
2. Immerse into high concentration acid/base solutions
3. Dilute with 50 volume % of distilled water
4. Boil for an hour, and let soak overnight
5. Check the final weight
6. Calculate percent weight loss

% LOSS=(INITIAL WEIGHT – FINAL WEIGHT) / INITIAL WEIGHT